

luman



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/742,163	12/20/2000	David J. Luman	10002874	9684

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HEWLETT-PACKARD COMPANY
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EXAMINER	
PHAM, THIERRY L	
ART UNIT	PAPER NUMBER
2624	

DATE MAILED: 02/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/742,163	Applicant(s) LUMAN, DAVID J.	
	Examiner Thierry L. Pham	Art Unit 2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 December 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

- This action is responsive to the following communication: Amendment after Final and Notice of Appeal filed on 10/24/05 and 12/15/05 (respectively).
- Claims 1-20 are pending.

Response to Arguments

Applicant's arguments, see 2-3, filed 10/24/05, with respect to the rejection(s) of claim(s) 1 under 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of newly found prior art reference.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Manglapus et al (US 6219151), and in view of Tanabe (JP 11-355498).

Regarding claim 1, Manglapus discloses a printing system (printing system as shown in fig. 1) product comprising:

- initiating software (printer driver incorporated in client 14, fig. 1, col. 7, lines 28-30) configured to direct an initiating device (client PC 14, fig. 1, col. 7, lines 38-45) to receive a print request (print job request, col. 7, lines 13-15) including a notification request (status notification request, col. 7, lines 7, lines 38-45 and col. 10, lines 15-30), and in response, to transfer a corresponding print job with notification instructions (transferring print data and notification request instruction from client PC 14 to printer 24, figs. 5-7, col. 10, lines 15-30) to a printing device wherein the notification instructions are configured to direct the printing device (printer 24 transfers print job status back client PCs 14, 16, 18, and/or 24, fig. 1, col. 5, lines 10-32 and cols. 9-10) to

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transfer print job status over a communication link (communication link 21, fig. 3) to a receiver (sends print job status back to receiver PC 16, 18, and 24 that is different from originating PC 14, col. 5, lines 10-30, cols. 9-10) that is different from the initiating device; and

- a processor-readable storage media (inherently, all PC includes storage media for storing print driver) that stores the initiating software.

Manglapus teaches a network printing system, wherein client 14 transmits print job and status notification request (via using printer driver) to printer 24, and wherein status notification request includes network addresses of different clients (i.e. client PCs 16, 18, and 24) so that print job status from printer 24 can be sent to other clients PC (i.e. 16, 18, and 24), and it is well known in the art that these PCs can be either desktops or laptops) other than originating client 14 (cols. 7-10). Manglapus teaches communication link 21 for communicating between printer 24 and clients, but fails teaches communication link 21 is a wireless communication link for transmitting status notification wirelessly.

Tanabe, in the same field of endeavor for printing system, teaches a wireless communication link (infrared, radio communication means IRDA 9, fig. 1, par. 8 and par. 128) for sending print job status wirelessly from printer 1 to wireless receiver (i.e. PDA 10 and/or laptop PC, which is well known in the art).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to replace communication link 21 of Manglapus as a wireless communication link as taught by Tanabe because of a following reason: (●) it enables printer 24 to send job notification status back to PCs 14, 16, 18, and 24 wirelessly and it is well known in the art that wireless communication network enhances networking efficiency and costs, for example, reducing hardware costs (i.e. cables) and users portability.

Therefore, it would have been obvious to combine Manglapus with Tanabe to obtain the invention as specified in claim 1.

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Regarding claim 2, Manglapus further teaches the printing system product of claim 1 wherein the initiating software is configured to direct the initiating device to collect an identification (network address of PCs 14, 16, 18, and 24) of the wireless receiver.

Regarding claim 3, Manglapus further teaches the printing system product of claim 1 wherein the initiating software is configured to direct the initiating device to collect a selection to either include or exclude print job completion (job completion, col. 10, lines 15-30) in the print job status.

Regarding claim 4, Manglapus further teaches the printing system of product of claim 1 wherein the initiating software is configured to direct the initiating device to collect a selection to either include or exclude print job problems (paper jam, col. 10, lines 15-30) in the print job status.

Regarding claim 5 recite limitations that are similar and in the same scope of invention as to those in claim 1 above, except control software. Manglapus teaches an image controller 27 (fig. 3) for controlling operations of printer includes processing incoming print job requests, sending notification status to clients, and obviously, an image controller 27 includes control software for controlling such operations

Regarding claim 6, Manglapus further teaches the printing system product of claim 5 wherein, in response to print job completion, the control software is configured to direct the printing device to transfer the print job status indicating the print job completion (print job completion, col. 10, lines 15-30) over the wireless link to the wireless receiver.

Regarding claim 7, Manglapus further teaches the printing system product of claim 6 wherein the control software is configured to direct the printing device to transfer the print job status indicating the print job completion over the wireless link to the

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wireless receiver only if the wireless notification instruction include the print job completion in the print job status (col. 10, lines 15-30).

Regarding claim 8, Manglapus further teaches the printing system product of claim 5 wherein, in response to print job problem, the control software to direct the print device to transfer the print job status indicating the print job completion (print job completion, col. 10, lines 15-30) over the wireless link to the wireless receiver.

Regarding claim 9, Manglapus further teaches the printing system product of claim 8 wherein the control software is configured to direct the printing device to transfer the print job status indicating the print job problem (print job problems, col. 10, lines 15-30) over the wireless link to the wireless receiver only if the wireless notification instructions include the print job problem in the print job status.

Regarding claim 10, Manglapus further teaches the printing system product of claim 5 wherein the control software is configured to direct the printing device to transfer the print job status over the wireless link to the wireless receiver by transferring a message to a wireless transmitter wherein the message indicates the print job status and identifies (network address of PCs 14, 16, 18, and 24) the wireless receiver.

Regarding claim 11: Claim 11 is the methods corresponding the apparatus and recite limitations that are similar and in the same scope of invention as to those in claim 1; therefore, claim 1 is rejected for the same rejection rationale/basis as described in claim 1 above.

Regarding claim 12, Manglapus further teaches the method of claim 11 wherein transferring the print job status over the wireless link to the wireless receiver comprises, in response to print job completion, transferring the print job status indicating the print job completion (print job completion, col. 10, lines 15-30) over the wireless link to the wireless receiver.

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Regarding claim 13, Manglapus further teaches the method of claim 12 wherein transferring the print job status indicating the print job completion over the wireless link to the wireless receiver comprises transferring the print job status indicating the print job completion over the wireless link to the wireless receiver only if the wireless notification instructions include the print job completion (print job completion, col. 10, lines 15-30) in the print job status.

Regarding claim 14, Manglapus further teaches the method of claim 11 wherein transferring the print job status over the wireless link to the wireless receiver comprises, in response to a print job problem, transferring the print job status indicating the print job problem (print job problems, col. 10, lines 15-30) over the wireless link to the wireless receiver.

Regarding claim 15, Manglapus further teaches the method of claim 14 wherein transferring the print job status indicating the print job problem over the wireless link to the wireless receiver comprises transferring the print job status indicating the print job problem over (print job problems, col. 10, lines 15-30) the wireless link to the wireless receiver only if the wireless notification instructions include the print job problem in the print job status.

Regarding claim 16, Manglapus further teaches the method of claim 11 wherein transferring the print job status over the wireless link to the wireless receiver comprises transferring a message from a printing device to a wireless transmitter wherein the message indicates the print job status and identifies (network address of PCs 14, 16, 18, and 24) the wireless receiver.

Regarding claim 17, Manglapus further teaches the method of claim 11 further comprising: receiving a print request including a wireless notification request that includes an identification (network address of PCs 14, 16, 18, and 24) of the wireless

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receiver; and in response to receiving the print request, transferring the print job with the wireless notification instructions from the initiating device (transferring print data and notification request instruction from client PC 14 to printer 24, figs. 5-7, col. 10, lines 15-30) to the printing device.

Regarding claim 18, Manglapus further teaches the method of claim 17 wherein receiving the print request including the wireless notification request comprises collecting an identification of the wireless receiver and a selection to either include or exclude print job problems (print job problems, col. 10, lines 15-30) in the print job status.

Regarding claim 19, Tanabe further teaches the method of claim 11 wherein transferring the print job status over the wireless link to the wireless receiver comprises transferring an instant message indicating the print job status over the wireless link to a wireless personal digital assistant (PDA 10, fig. 1).

Regarding claim 20, Tanabe further teaches the method of claim 11 wherein transferring the print job status over the wireless link to the wireless receiver comprises transferring an instant message indicating the print job status over the wireless link to a wireless mobile telephone (PDA 10, fig. 1, par.128, other devices can be used since the system as taught is communicated via IrDA communication protocol, in additional, it is well known that PDA also having mobile phone capability).

Conclusion

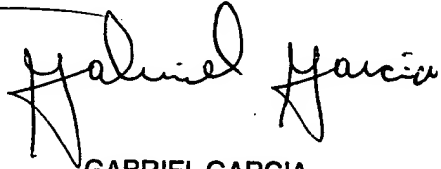
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thierry L. Pham whose telephone number is (571) 272-7439. The examiner can normally be reached on M-F (9:30 AM - 6:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore can be reached on (571)272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thierry L. Pham



GABRIEL GARCIA
PRIMARY EXAMINER